



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123

Case Vehicle (A): 2000 Ford

Type: Expedition Eddie Bauer 4 x 4, 4-door SUV

Driver: 50-year-old female

CDC: 12-FRLE-3

Vehicle (B): 1989 Ford

Type: Taurus LX, 4-door sedan

Driver: 33-year-old female

CDC: 99-0000-0

SITUATION

(Slide 1) It was daylight and cloudy, and (slide 2) the four-lane, east-west, asphalt road surface was dry and free of defects. Case vehicle (A) was traveling west at a driver-estimated speed of 48 kph (30 mph) in the left westbound lane. Vehicle (B) was traveling south at an unknown speed, exiting a private drive onto the east-west road. Vehicle (X) was traveling west in the right westbound turn lane. The driver of vehicle (B) could not see case vehicle (A) due to vehicle (X). Vehicle (B) proceeded into the intersection, intending to turn left, and went into the path of case vehicle (A). The driver of case vehicle (A) was unable to take any evasive action and the right front corner of case vehicle (A) contacted the front of vehicle (B). Case vehicle (A) continued west and slightly north, (slide 3) as evidenced by 15 meters of fluid spill. (Slide 4) It then went over a curb and (slide 5) traveled five meters before coming to rest, facing northwest. The driver of case vehicle (A) was transported to a local urgent-care facility via ambulance, and was treated and released the same day. The treatment of the driver of vehicle (B) is unknown, although she reportedly sustained only minor injuries.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

(Slide 6) Damage to case vehicle (A) was minor. (Slide 7) The direct damage to case vehicle (A) began at the right-front bumper corner and extended 46 cm to the left, resulting in 32 percent vehicle overlap. (Slide 8) The maximum crush was 10 cm to the right-front bumper corner.

Using the WinSMASH accident-reconstruction program, a principal direction of force of 10 degrees, and a (slides 9, 10, 11 and 12) crush profile measured for case vehicle (A), an EBS of 11 kph (7 mph) in the longitudinal direction was estimated for case vehicle (A). However, because this program does not account for the undercarriage and right-front wheel impacts, it is believed that this is a low estimate and that the actual impact severity of this crash was between 17 and 24 kph (11 to 15 mph).

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

(Slide 13) In the front, the right headlight assembly area was pushed slightly rearward, and (slide 14) the plastic bumper cover was cracked. (Slide 15) There was no other frontal damage, (slide 16) except for a spiderweb crack in the upper portion of the windshield directly above the steering-wheel (slide 17) due to driver hand contact.

On the right side, (slide 18) the fender was slightly deformed and (slide 19) the front wheel was damaged. (Slides 20 and 21) The lower ball joint on this side was broken, (slide 22) but there was no measurable change in the wheelbase.

(Slides 23 and 24) There was no left-side damage and no measurable change in the left wheelbase. (Slide 25) There was no damage to the rear of the vehicle.

Interior

This vehicle was equipped with steering-wheel and passenger frontal-impact airbags, and (slides 26, 27, 28 and 29) both deployed in this frontal collision. (Slide 30) There was heat discoloration and melting of fabric around the right vent port of the driver's airbag. (Slides 31, 32, 33, and 34) There was no damage to the steering-wheel airbag module covers. (Slide 35) There were no witness marks on the airbag module cover. (Slides 36 and 37) There was no damage to the passenger airbag module covers. (Slide 38) There was no deformation to the steering-wheel rim or spokes. (Slide 39) The passenger airbag module cover made an imprint on the upper instrument panel. There was no rotation of the steering column. (Slide 40) The upper instrument panel and (slide 41) fuse panel were slightly deformed. (Slide 42) The left-side windshield header was scuffed and there was a spiderweb crack in the windshield directly above the steering-wheel rim just below the header. The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
Right front (slide 43)	Floor pan	2	up

(Slides 44, 45, 46, 47, 48 and 49) There was no other interior damage.

OCCUPANT KINEMATICS AND INJURIES

(Slide 50) The 5-ft, 6-in, 165-lb, 50-year-old female driver was reportedly wearing the three-point belt and the (slide 51) frontal-impact airbag deployed. (Slide 52) A slight plastic transfer on the belt webbing indicates possible belt use at the time of the crash. The driver reportedly had the seat at a mid seat-track position, with the seatback slightly reclined. Her hands were placed at the 10 and 2 o'clock positions on the steering-wheel rim, her right foot was on the gas pedal, her left foot was on the footpad, and the steering wheel was at the 12 o'clock position. She reportedly was wearing a diamond ring on the ring finger of her left hand, and a watch on her left wrist.

During the impact, the driver moved forward into the belt restraints and airbag. She sustained a small abrasion under her chin, due to contact by the deploying airbag. She sustained a laceration to her left wrist, due to her watchband being pushed up her forearm by the deploying airbag, (slide 53) as evidenced by a blood smear on the airbag fabric. She sustained a fracture to the distal phalanx of her left thumb and a contusion to her left hand, due to hand contact with the windshield header and/or windshield, (slide 54) as evidenced by the knuckle imprints on the windshield header fabric and the cracked windshield with scuffmarks. This contact was due to the airbag flinging her left arm and hand upward. She sustained an abrasion to the dorsal aspect of her right wrist, possibly due the airbag flinging her right hand downward into her legs or into the seat cushion. She sustained a contusion to her left knee, due to contact with the plastic fuse panel cover, (slides 55 and 56) as evidenced by a small scuff mark and deformation. She sustained contusions to her right knee, due to contact with the plastic knee bolster cover, (slide 57) as evidenced by a small scuff mark. (Slides 58 and 59) There was an unusual looking substance on the vent outlet to the right of center instrument panel, but this did not appear to be related to any occupant contacts or injuries sustained during the crash.

The following table and attached drawing (slide 60) summarize the injuries for the driver who was the lone occupant of case vehicle (A).

Occupant: Driver
Restraints: 3-point belt worn; airbag deployed

Age: 50 years
Stature: 168 cm (5 ft, 6 in)

Gender: Female
Mass: 75 kg (165 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Small abrasion, under chin	1	Airbag		
Abrasion, dorsal aspect of right wrist	1			Driver's leg/seat cushion (airbag fling)
Laceration, left wrist	1	Watchband/airbag		
Fracture, distal phalanx of left thumb	1		Windshield header/windshield (airbag fling)	
Contusion, left hand	1		Windshield header/windshield (airbag fling)	
Contusion, right knee	1	Knee bolster		
Contusion, left knee	1	Fuse panel		
<u>Maximum A.I.S. Level</u>	<u>1</u>			
<u>Injury Severity Score</u>	<u>2</u>			

TIME		ENVIRONMENTAL CONDITIONS		
DATE OF COLLISION		CONSTRUCTION ZONE		
mm / dd / yy yy yy HOUR OF COLLISION (24 HOUR CLOCK) 21 — 24		(0) NO (1) YES (9) UNKNOWN		0 33
LOCATION		ROAD ALIGNMENT VERTICAL PLANE		4 34
STATE: _____		(1) LEVEL (2) CREST OF HILL (3) SLOPE (2%) (4) BOTTOM OF HILL (9) UNKNOWN		
STATE FIPS CODE		ROAD ALIGNMENT HORIZONTAL PLANE		1 35
AREA		(1) STRAIGHT (2) CURVE (3) T - SHAPED (4) Y - SHAPED (7) OTHER: _____ (9) UNKNOWN		
(1) URBAN (2) RURAL (9) UNKNOWN				
ENVIRONMENTAL CONDITIONS		SURFACE COVERING		10 36 37
LIMITED-ACCESS HIGHWAY		(10) DRY (21) WATER - DAMP (22) WATER - WET (23) WATER - PUDDLED (29) WATER - AMOUNT UNKNOWN		
(0) NO (1) YES (9) UNKNOWN		(31) SNOW - LOOSE (32) SNOW - PACKED (39) SNOW - CONDITION UNKNOWN		
ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE)		(41) ICE (51) SLUSH (61) SPILLED GRAVEL (71) OTHER: _____ (99) UNKNOWN		
(1) 1-LANE (2) 2-LANES (3) 3-LANES (4) 4 OR MORE LANES (5) DIVIDED, 4 OR MORE LANES (6) PARKING LOT/DRIVEWAY (7) OTHER: _____ (9) UNKNOWN				
INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR		VISIBILITY LIMITATION (FOR CASE VEHICLE)		10 38
(8) NOT APPLICABLE		(0) NONE (1) CLOUDY/DARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARE (6) RAIN (7) OTHER: _____ (8) ICE/SNOW (9) UNKNOWN		
TYPE OF ROAD SURFACE		VISIBILITY OBSTRUCTION (FOR CASE VEHICLE)		10 39
(1) ASPHALT (2) CONCRETE (3) GRAVEL (4) MORE THAN ONE (CIRCLE EACH) (7) OTHER: _____ (9) UNKNOWN		(0) NONE (1) BUILDING (2) SIGN (3) VEGETATION (E.G. BUSHES, SHRUBS) (4) TREE (5) HILL OR CURVE IN ROAD (6) VEHICLE IN TRANSPORT (7) OTHER: _____ (8) PARKED VEHICLE (9) UNKNOWN		
ROAD DEFECTS				
(0) NO (1) YES (9) UNKNOWN				

ENVIRONMENTAL CONDITIONS

SPEED LIMIT

(0) 5-45 km/h 5-25 mph
 (1) 46-55 30
 (2) 56-60 35
 (3) 61-70 40
 (4) 71-79 45
 (5) 80-85 50
 (6) 86-90 55
 (7) 91-105 60
 (8) OVER 105 65
 (9) UNKNOWN

2
40

MECHANICAL MALFUNCTION

WAS THERE MENTION
OF A MECHANICAL MALFUNCTION
IN CASE VEHICLE

(0) NO
 (1) YES
 (2) YES, DID NOT CONTRIBUTE
TO ACCIDENT
 (9) UNKNOWN

0
46

PRECIPITATION

(0) NONE
 (1) RAIN
 (2) SNOW
 (3) HAIL
 (4) FREEZING RAIN/SLEET
 (7) OTHER: _____
 (9) UNKNOWN

0
41

THE FOLLOWING SECTION SHOULD BE FILLED
OUT IF A MECHANICAL MALFUNCTION IS
RECOGNIZED OR SUSPECTED.

CIRCLE ITEMS INVOLVED. SUPPORT ANY
ITEMS CIRCLED WITH COMMENTS.

RATE OF PRECIPITATION

(1) LIGHT/MIST
 (2) MODERATE
 (3) HEAVY
 (8) NOT APPLICABLE
 (9) UNKNOWN

8
42

BRAKE SYSTEM	DRIVER CONTROLS
EXHAUST SYSTEM	POWER TRAIN
STEERING SYSTEM	FUEL SYSTEM
SUSPENSION SYSTEM	VISIBILITY ITEMS
ELECTRICAL SYSTEM	TIRES
THROTTLE CONTROLS	UNKNOWN

TEMPERATURE

(0) BELOW -15° C BELOW 5° F
 (1) -15 TO -6 5 TO 22
 (2) -5 TO -1 23 TO 31
 (3) 0 TO 2 32 TO 36
 (4) 3 TO 5 37 TO 41
 (5) 6 TO 15 42 TO 59
 (6) 16 TO 25 60 TO 77
 (7) 26 TO 35 78 TO 95
 (8) OVER 35 OVER 96
 (9) UNKNOWN

5
43

OTHER: _____
 COMMENTS: _____

CROSSWIND

(0) NONE
 (1) LIGHT
 (2) STRONG
 (3) GUSTY & STRONG
 (9) UNKNOWN

3
44

LIGHT CONDITIONS

(1) DAYLIGHT
 (2) DAWN
 (3) DUSK
 (4) DARK, LIGHTED
 (5) DARK, UNLIGHTED
 (6) DARK, UNKNOWN IF LIGHTED
 (9) UNKNOWN

1
45

GENERAL INFORMATION GI-3

CRASH DETAILS

CASE VEHICLE AND OBJECT

(0) NO
(1) YES
(9) UNKNOWN

0
47

HIGHEST POLICE INJURY
SEVERITY CODE IN CRASH
(NOT JUST CASE VEHICLE)

(0) O - NO INJURY
(1) C - POSSIBLE INJURY
(2) B - NON-INCAPACITATING INJURY
(3) A - INCAPACITATING INJURY
(4) K - FATAL
(5) INJURED, SEVERITY UNKNOWN
(6) DIED PRIOR TO ACCIDENT
(7) NON-FATAL INJURY
SEVERITY UNKNOWN
(9) UNKNOWN

3
55

CASE VEHICLE ROLLOVER

(0) NO ROLLOVER
(1) YES, FIRST EVENT
(2) YES, SUBSEQUENT EVENT
(3) YES, SEQUENCE UNKNOWN
(9) UNKNOWN

0
48

CASE VEHICLE RAN OFF ROADWAY
(BEFORE FIRST IMPACT)

(0) NO
(1) YES
(9) UNKNOWN

0
49

DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT
(CASE VEHICLE)

(0) NONE
(1) YES
(9) UNKNOWN/NOT REPORTED/
NO DRIVER

0
56

MOVING CASE VEHICLE AND
CONTACTED MOVING VEHICLE

(0) NO
(1) YES
(9) UNKNOWN

1
50

DRIVER ALCOHOL BAC
(CASE VEHICLE)

(80) NO TEST
(90) CHEMICAL TESTS, NO RESULTS
(95) AUTOPSY, NO RESULTS
(99) UNKNOWN

8 0
57 58

CASE VEHICLE AND
CONTACTED STOPPED VEHICLE

(0) NO
(1) YES
(9) UNKNOWN

0
51

WAS THERE MENTION OF DRIVER
IMPAIRMENT FOR CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

0
59

STOPPED CASE VEHICLE AND
CONTACTED VEHICLE

(0) NO
(1) YES
(9) UNKNOWN

0
52

LIST IMPAIRMENTS MENTIONED:

TOTAL NUMBER
OF VEHICLES CONTACTED
BY CASE VEHICLE IN CRASH

(8) 8 OR MORE
(9) UNKNOWN

1
53

Post - CRASH DETAIL

MANNER CASE VEHICLE
LEFT SCENE

(1) DRIVEN
(2) TOWED DUE TO DAMAGE
(3) TOWED, NOT DUE TO DAMAGE
(4) TOWED, REASON UNKNOWN
(9) UNKNOWN

2
60

ANY FIRE IN THIS CRASH
(NOT JUST CASE VEHICLE)

(0) NO
(1) YES
(9) UNKNOWN

0
54

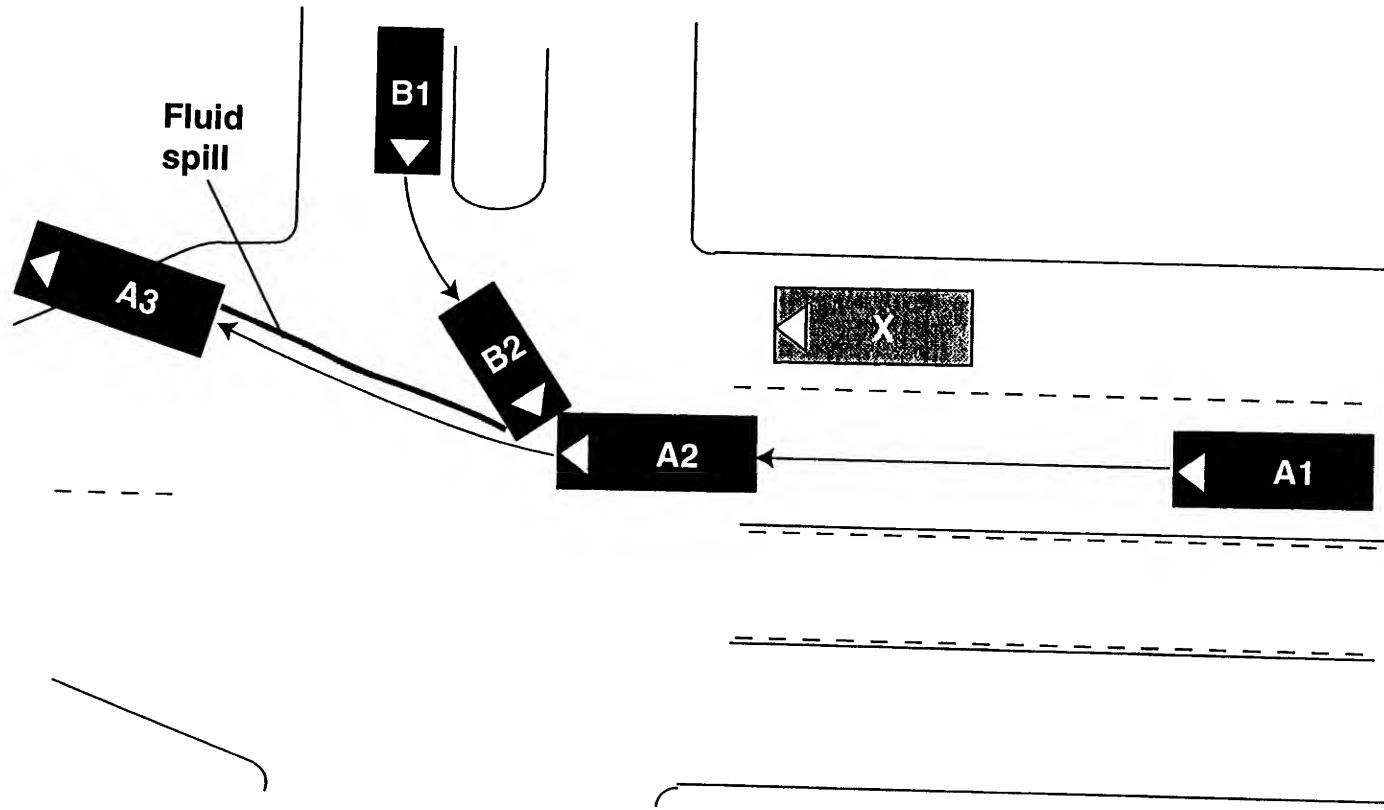
ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: Case vehicle (A) was traveling west on a 4-lane asphalt road. Vehicle (B) was exiting a parking lot, and went into the path of case vehicle (A). The right-front of case vehicle (A) contacted the left-front of vehicle (B). Case vehicle (A) proceeded to override the front of vehicle (B)

CASE VEHICLE (A): 2000 Ford Expedition, SWB
OTHER VEHICLE (B): 1989 Ford Taurus
THIRD VEHICLE (C): _____



NORTH



Duplicate columns 1-8
from the previous card.

Module O 9 V 10 Format 0 11 4 12

OTHER VEHICLE

OV-1

MAKE: Ford

CARGO: _____

MODEL: Taurus LX, 4-door sedan

VIN

1FABPS3U4KG

13

29

MANUFAC/BODY CODE

12128

30

34

MAKE/MODEL CODE

0275

38

28

56 57

MODEL YEAR

1989

39

42

VEHICLE MASS (kg)

001395

43

48

IF SEPARATE REPORT WAS MADE,
GIVE VEHICLE NUMBER

0

NUMBER OF OCCUPANTS
(ENTER 9'S IF UNKNOWN)

01

51

TRAVELING SPEED (km/h)

999

54

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY
CODE FOR THIS VEHICLE

1

55

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING INJURY
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO ACCIDENT
- (7) NON-FATAL INJURY
 SEVERITY UNKNOWN
- (8) UNOCCUPIED VEHICLE
 (NOT APPLICABLE)
- (9) UNKNOWN

VEHICLE TYPE

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP CAR
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

28

56 57

MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",
 E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",
 E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) VAN
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

(68) TRAIN (CARS)

(69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)

(999) UNKNOWN

269

58 59 60

Duplicate columns 1-8
from the previous card.

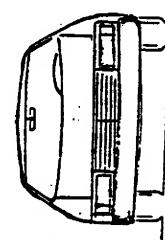
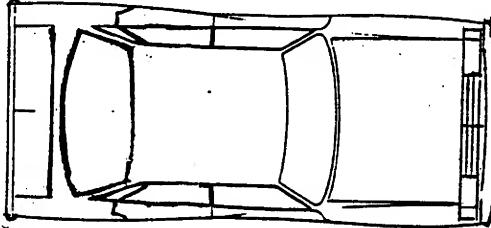
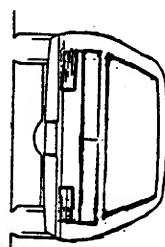
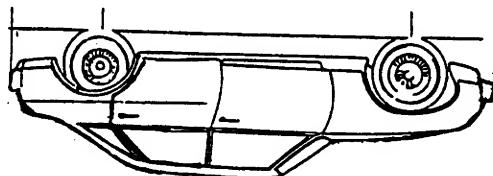
Module O
9 V 10 Format 0
11 2
12

OTHER VEHICLE OV-2

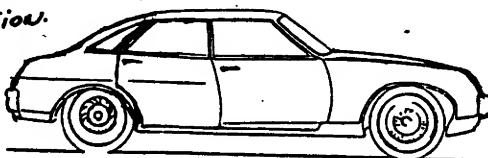
ORIGINAL SPECIFICATIONS

Wheelbase	<u>269</u> cm	Front Overhang	<u>100</u> cm
Curb Weight	<u>1395</u> kg	Rear Overhang	<u>110</u> cm
Average Track Width	<u>155</u> cm	Undeformed End Width (UEW)	<u>150</u> cm
Overall Length	<u>479</u> cm	Engine Displacement	<u>3.0</u> L
Overall Width (OAW)	<u>180</u> cm	Engine: # of Cylinders	<u>06</u>

VEHICLE DAMAGE



We were unable to
locate this vehicle.
No vehicle inspection.



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) 999 cm

35 37

Front-End Overlap (Percent) = DDL _____

UEW

99 %

38 39

Vehicle Overlap (Percent) = DDL + 1/2 (OAW - UEW) _____

OAW

99 %

40 41

Duplicate columns 1-8
from the previous card.

Module V 9 D 10 Format 0 11 4 12

VEHICLE DESCRIPTION VD-1

MAKE: Ford

MODEL: Expedition Eddie Bauer XLT 4x4
4-door SUV

CARGO: No one - 4516 dog

VIN

1 F M P U 1 8 L 9 Y L

13

MANUF/BODY CODE

1 2 1 1 5

30

34

MAKE/MODEL CODE

3 1 3 4

38

MODEL YEAR

2 0 0 0

39

42

VEHICLE MASS (kg)

0 0 2 4 6 2

43

48

ODOMETER (km)

(ENTER 9'S IF UNKNOWN)

8 8 8 8 8 8

49

54

NUMBER OF OCCUPANTS

(ENTER 9'S IF UNKNOWN)

0 1

56

TRAVELING SPEED (km/h)

9 9 9

59

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

VEHICLE TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
- (12) 2-DOOR SEDAN OR COUPE
(ANY UPPER B-PILLAR)
- (13) 4-DOOR HARDTOP
- (14) 4-DOOR SEDAN
- (15) STATION WAGON
- (16) CONVERTIBLE
- (18) OTHER PASS. VEH. : _____
- (19) PASSENGER VEHICLE, TYPE UNKNOWN

2 2

60 61

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
- (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (23) VAN, SIZE UNKNOWN
- (24) VAN, SMALL (MINI)
- (25) VAN, LARGE
- (29) MPV, TYPE UNKNOWN
- (30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN
- (32) PICKUP TRUCK, SMALL (DOWNSIZED)
- (33) PICKUP TRUCK, LARGE
- (99) UNKNOWN

STOLEN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8

62

BODY STRUCTURE

- (1) BODY & FRAME
- (2) UNITIZED
- (3) INTEGRAL-STUB FRAME
- (4) BODY & PLATFORM FRAME
(E.G. VW BUG)
- (5) PARTIALLY UNITIZED
- (7) OTHER: _____
- (9) UNKNOWN

1

63

TRANSMISSION

- (0) NONE
- (1) AUTOMATIC
- (2) MANUAL
- (9) UNKNOWN

1

64

LOCATION OF TRANSMISSION
SELECTOR LEVER

- (1) FLOOR
- (2) CONSOLE
- (3) COLUMN
- (7) OTHER: _____
- (9) UNKNOWN

3

65

STEERING

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1

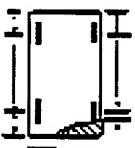
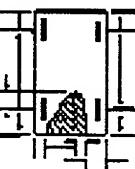
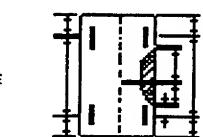
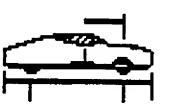
66

BRAKES

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1

67

TYPE OF BRAKES	<u>3</u> 68	WHEELBASE (cm) (999) Unknown	<u>3 03</u> 76 77 78
BRAKE ANTI-LOCK DEVICE	<u>2</u> 69	PLASTIC ANTI-LACERATIVE INNER LAYER GLASS EQUIPPED	<u>0</u> 79
AIR CONDITIONING IN VEHICLE	<u>8</u> 70	(0) NONE (1) WINDSHIELD (2) WINDSHIELD AND SIDE (7) OTHER (9) UNKNOWN	
TYPE OF DRIVE	<u>1</u> 71		FIELD INVESTIGATOR INSTRUCTIONS:
DUAL REAR WHEELS	<u>0</u> 72		<ol style="list-style-type: none"> 1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE. 2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE. 3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR. 4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
ORIGINAL TYPE OF RESTRAINT SYSTEM	<u>3</u> 73		EXAMPLES:
EQUIPPED WITH ROLL BAR	<u>0</u> 74		 
TYPE OF ROOF	<u>4</u> 75		 

Duplicate columns 1-8
from the previous card.

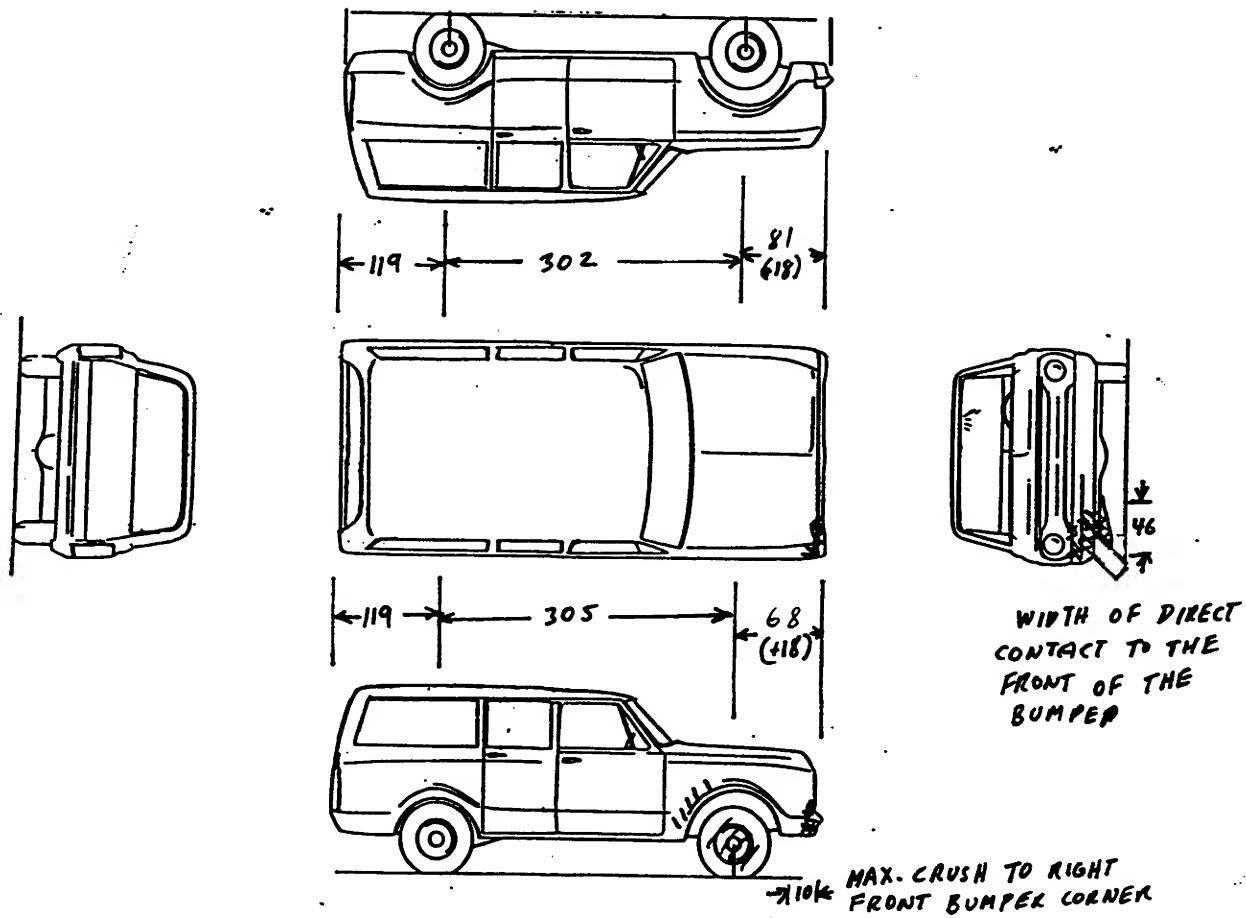
Module V
9 D
10 Format 0
11 2
12

VEHICLE DESCRIPTION VD-3

ORIGINAL SPECIFICATIONS *1999 Gasoline Truck Index*

Wheelbase	<u>303</u> cm	Front Overhang	<u>0 9 8</u> cm
Curb Weight	<u>2462</u> kg	Rear Overhang	<u>1 1 9</u> cm
Average Track Width	<u>1 6 6</u> cm 13 15	Undeformed End Width (UEW)	<u>1 6 4</u> cm 28 30
Overall Length	<u>5 2 0</u> cm 16 18	Engine Displacement	<u>5 . 4</u> L 31 32
Overall Width (OAW)	<u>2 0 0</u> cm 19 21	Engine: # of Cylinders	<u>0 8</u> 33 34

VEHICLE DAMAGE



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

0 4 6 cm
35 37

Front-End Overlap (Percent) = $\frac{DDL}{UEW}$

2 8 %
38 39

Vehicle Overlap (Percent) = $\frac{DDL + 1/2(OAW - UEW)}{OAW}$

3 2 %
40 41

Duplicate columns 1-8
from the previous card.

Module D 9 A 10 Format 0 11 2 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC			CONTACTED VEHICLE ASSOCIATED CDC		
EVENT NUMBER		<u>1</u>				
IMPACT SPEED (km/h)		<u>9</u> <u>9</u> <u>9</u>			<u>9</u> <u>9</u> <u>9</u>	
ESTIMATED BY		<u>1</u>			<u>1</u>	
CRUSH (cm)		<u>0</u> <u>1</u> <u>0</u>			<u>9</u> <u>9</u> <u>9</u>	
CDC #1		<u>1</u> <u>2</u> <u>F</u> <u>R</u> <u>L</u> <u>W</u> <u>1</u>			<u>9</u> <u>9</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>	
CDC #2		<u>9</u> <u>8</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>			<u>9</u> <u>9</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>	

Duplicate columns 1-8
from the previous card.

Module D 9 A 10 Format 0 11 3 12

SECONDARY	CASE VEHICLE SECONDARY CDC			CONTACTED VEHICLE ASSOCIATED CDC		
EVENT NUMBER		<u>8</u>				
IMPACT SPEED (km/h)		<u>1</u> <u>4</u> <u>1</u> <u>5</u> <u>1</u> <u>6</u>			<u>3</u> <u>5</u> <u>1</u> <u>6</u> <u>3</u> <u>7</u>	
ESTIMATED BY		<u>1</u> <u>7</u>			<u>3</u> <u>8</u>	
CRUSH (cm)		<u>1</u> <u>8</u> <u>1</u> <u>9</u> <u>1</u> <u>0</u>			<u>3</u> <u>9</u> <u>1</u> <u>4</u> <u>0</u> <u>1</u>	
CDC #1		<u>2</u> <u>1</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>2</u> <u>7</u>			<u>4</u> <u>2</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>4</u> <u>8</u>	
CDC #2		<u>2</u> <u>8</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>3</u> <u>4</u>			<u>4</u> <u>9</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>—</u> <u>5</u> <u>5</u>	

CODES

EVENT NUMBER	IMPACT SPEED ESTIMATOR	CRUSH
(8) NOT APPLICABLE	(1) INVESTIGATOR	(998) NOT APPLICABLE (NO VEHICLE/DAMAGE)
(9) UNKNOWN	(2) DRIVER	(999) UNKNOWN
IMPACT SPEED	(3) POLICE	CDC
(998) NOT APPLICABLE	(4) "CRASH" PROGRAM	(9800000) NOT APPLICABLE
(999) UNKNOWN	(5) OTHER COMPUTER PROGRAM SPECIFY: _____	(9900000) UNKNOWN
	(7) OTHER: _____	
	(8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)	

Duplicate columns 1-8
from the previous card.

Module D
9 A
10 Format 0
11 1
12

DAMAGE DA-2

MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 0 1 0
13 15

RIGHT SIDE 0 0 0
16 18

REAR 0 0 0
19 21

LEFT SIDE 0 0 0
22 24

ROOF 0 0 0
25 27

OTHER 0 0 0
28 30

CHRONOLOGICAL SEQUENCE OF DAMAGE/INJURY PRODUCING CRASH EVENTS FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER
IS UNKNOWN, EVENT
ORDER IS OPTIONAL.

DO YOU KNOW THIS TABLE
TO BE IN CHRONOLOGICAL ORDER?

1
31

(0) NO
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>11</u> 34	<u>28</u> 36
#2	<u>—</u> 37	<u>—</u> 39	<u>—</u> 41
#3	<u>—</u> 42	<u>—</u> 44	<u>—</u> 46
#4	<u>—</u> 47	<u>—</u> 49	<u>—</u> 51
#5	<u>—</u> 52	<u>—</u> 54	<u>—</u> 56
#6	<u>—</u> 57	<u>—</u> 59	<u>—</u> 61
#7	<u>—</u> 62	<u>—</u> 64	<u>—</u> 66

CODES FOR
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPE BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPE BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPE BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPE BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT
- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE

	WHEELBASE
SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

Duplicate columns 1-8
from the previous card.

Module C 9 R 10 Format 0 11 1 12

CRASH RECONSTRUCTION CR-1
for ΔV

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>1</u> 13		<u>47</u>	
ΔV (km/h) TOTAL	<u>9</u> <u>—</u> 14 15 16	<u>9</u> <u>—</u> 32 33 34	<u>48</u> <u>49</u> <u>50</u>	<u>66</u> <u>67</u> <u>68</u>
LONGITUDINAL*	<u>9</u> <u>—</u> 17 20	<u>9</u> <u>—</u> 35 38	<u>51</u> <u>—</u> <u>54</u>	<u>69</u> <u>—</u> <u>72</u>
LATERAL*	<u>9</u> <u>—</u> 21 24	<u>9</u> <u>—</u> 39 42	<u>55</u> <u>—</u> <u>58</u>	<u>73</u> <u>—</u> <u>76</u>
*NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = <u>±010</u> -7 km/h = <u>-007</u>				
ENERGY DISSIPATED BY CRUSH (kJ)	<u>9</u> <u>—</u> 25 28	<u>9</u> <u>—</u> 43 46	<u>59</u> <u>—</u> <u>62</u>	<u>77</u> <u>—</u> <u>80</u>
RECONSTRUCTION	<u>1</u> <u>2</u> 29 30		<u>63</u> <u>64</u>	
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL				
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE	<u>5</u> 31		<u>65</u>	
(1) CDC ONLY				
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: _____				

Duplicate columns 1-8
from the previous card.

Module C 9 R 10 Format 0 11 2

CRASH RECONSTRUCTION CR-2
for EBS

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT			
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE		
	EVENT NUMBER		1		47	
EBS (km/h) TOTAL	<u>9</u> —	14 15 16	<u>9</u> —	32 33 34	48 49 50	66 67 68
LONGITUDINAL*	<u>9</u> —	17 20	<u>9</u> —	35 38	51 54	69 72
LATERAL*	<u>9</u> —	21 24	<u>9</u> —	39 42	55 58	73 76
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = <u>+</u> 0 1 0 -7 km/h = <u>-</u> 0 0 7						
ENERGY DISSIPATED BY CRUSH (kJ)	<u>9</u> —	25 28	<u>9</u> —	43 46	59 62	77 80
RECONSTRUCTION	<u>0</u> <u>6</u>	29 30			63 64	
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL						
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/ OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE	<u>5</u>	31			65	
(1) CDC ONLY						
(2) CDC & DETAILED DAMAGE						
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: _____						

Duplicate columns 1-8
from the previous card.

Module C
9 R
10 Format 0
11 3
12

CRASH RECONSTRUCTION CR-3

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

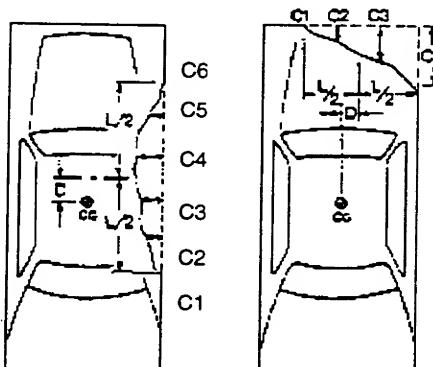
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Begin RT BC 46 cm to LT	Front Bumper BC to BC

PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other _____
- (9) Unknown



DL 46
UDL 118

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
		Length (DDL)	Max Crush								
1	1	46	28	164	18	5	1	1	8	28	+59
			-18		-18	-5	-1	-1	-5	-18	
1	1	046	010	164	000000	0000000003	010	000	000	000	+059
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

NOTES:

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

OTHER VEHICLE

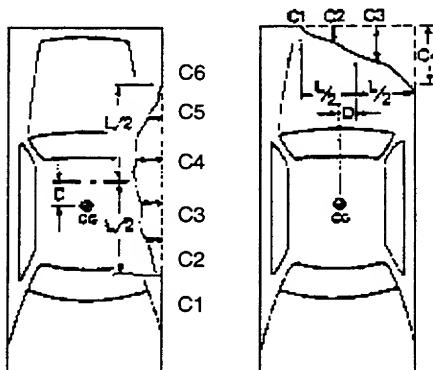
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other _____
- (9) Unknown

DL _____
UDL _____

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C1	C2	C3	C4	C5	C6	±D
		Length (DDL)	Max Crush								
1	9	999	999	999	999	999	999	999	999	999	999
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8
from the previous card.

Module W
9 T
10 Format 0
11 1
12

WHEELS AND TIRES

WT-1

WHEELS--DAMAGED

(0) NO
(1) YES
(9) UNKNOWN

LF 0
13

RF 1
25

RR 0
35

LR 0
46

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF P 22570 R16

RF - - - - -

RR - - - - -

LR - - - - -

TIRE TREAD TYPE

(1) REGULAR
(2) SNOW
(3) SLICKS
(4) ALL WEATHER (MS)
(7) OTHER: _____
(9) UNKNOWN

LF 4
17

RF 4
18

RR 4
19

LR 4
20

CARCASS CONSTRUCTION

(1) BIAS
(2) BELTED BIAS
(3) RADIAL
(4) ELLIPTICAL
(5) HI PRESSURE SPARE
(6) SPACE SAVER SPARE
(7) OTHER: _____
(9) UNKNOWN

LF 3
21

RF 3
22

RR 3
23

LR 3
24

IF VEHICLE IS EQUIPPED WITH DUAL
WHEELS, COMPLETE FOR OUTER WHEELS
AND MAKE NOTES ON INNER WHEELS.

NOTES: _____

TYPE OF PROPULSIVE FUEL	<u>1</u> <u>13</u>	AUXILIARY TANK TYPE	<u>8</u> <u>21</u>
(1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN		(1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	
MAIN TANK LOCATION	<u>3</u> <u>2</u> <u>2</u> <u>14</u> <u>16</u>	AUXILIARY TANK LOCATION	<u>8</u> <u>8</u> <u>8</u> <u>22</u> <u>24</u>
MAIN FILLER CAP LOCATION	<u>1</u> <u>1</u> <u>3</u> <u>17</u> <u>19</u>	AUXILIARY FILLER CAP LOCATION	<u>8</u> <u>8</u> <u>8</u> <u>25</u> <u>27</u>
MAIN TANK MATERIAL	<u>1</u> <u>20</u>	AUXILIARY TANK MATERIAL	<u>8</u> <u>28</u>

TANK AND FILLER CAP LOCATION CODES

FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.(1) YES COMPLETE PAGE.0
13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	14 15	—	—	—	—	21
#2	22 23	—	—	—	—	29
#3	30 31	—	—	—	—	37
#4	38 39	—	—	—	—	45
#5	46 47	—	—	—	—	53

I LEAKING COMPONENT

IV SEVERITY OF DAMAGE

TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

(1) MINOR

(2) MODERATE

(3) SEVERE

(4) DISCONNECTED/DEFEATED

(9) UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT
(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

SECOND DIGIT
(LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) Ruptured
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.
(1) YES COMPLETE PAGE.

O
13

DID FIRE START IN CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

—
14

SEVERITY OF FIRE DAMAGE

(1) MINOR
(2) MODERATE
(3) SEVERE
(9) UNKNOWN

—
16

FLAME PROPAGATION RATE

(1) RAPID/EXPLOSIVE
(2) SLOW/MODERATE
(9) UNKNOWN

—
15

DID AN INJURY TO CASE
VEHICLE OCCUPANT RESULT FROM
FIRE IN OR ON CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

—
17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8
from the previous card.

Module E D Format 0 1
9 10 11 12

EXTERIOR DAMAGE

ED-1

HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

HOOD LATCH(ES)-

-RELEASED

0

13

-DAMAGED

0

14

-JAMMED

8

15

HOOD HINGES-

-LEFT, DAMAGED

0

16

-LEFT, SEPARATED (COMPLETE)

8

17

-RIGHT, DAMAGED

0

18

-RIGHT, SEPARATED (COMPLETE)

8

19

HOOD REMAINED ON VEHICLE

1

20

REAR EDGE OF HOOD-

-ELEVATED

0

21

-CONTACTED WINDSHIELD

0

22

-PENETRATED WINDSHIELD

8

23

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE
- (2) COWL AREA
- (3) SIDE
- (8) NOT APPLICABLE
- (9) UNKNOWN

1

24

ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO
- (1) YES
- (9) UNKNOWN

0

25

STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE
- (1) FLEXIBLE MATERIAL
- (2) POT
- (3) SINGLE U-JOINT
- (4) DOUBLE U-JOINT
- (5) FLEXIBLE CABLE
- (6) COMBINATION OF ABOVE (CIRCLE EACH)

(7) OTHER: _____

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN, IF EQUIPPED

9

26

COUPLING-

-DAMAGED

9

27

(USE CODES
FROM HOOD
PERFORMANCE)

-SEPARATED
(COMPLETE)

9

28

ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED
- (01) - (07) SEE UNITS ON PAGE ED-2
- (88) NOT COLLECTED
- (97) OTHER: _____
- (98) EQUIPPED, TYPE UNKNOWN
- (99) UNKNOWN IF EQUIPPED

8 8

29 30

ORIGINAL LENGTH (mm)

F (OR H): _____

TELESCOPED LENGTH (mm)

G: _____

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000")

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8

31 33

LEFT-SIDE BODY MOUNT			
DID BODY MOUNT SEPARATE?		<u>0</u> 34	
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			
LEFT PILLARS			
PILLARS SEPARATED COMPLETELY -			
USE CODES:			
(0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN			
-A-PILLAR, UPPER		<u>0</u> 35	
LOWER		<u>0</u> 36	-FRONT <u>0</u> 43
-B-PILLAR, UPPER		<u>0</u> 37	-REAR <u>0</u> 44
LOWER		<u>0</u> 38	
-C-PILLAR, UPPER		<u>0</u> 39	
LOWER		<u>0</u> 40	-FRONT <u>0</u> 45
-D-PILLAR, UPPER		<u>0</u> 41	-REAR <u>0</u> 46
LOWER		<u>0</u> 42	
LEFT DOORS			
HOW DID DOORS OPEN DURING COLLISION?			
USE CODES:			
(0) DOOR DID NOT OPEN OPENED BECAUSE OF			
(1) HINGE AREA SEPARATION (2) DOOR-LATCH SEPARATION (3) LATCH-STRIKER SEPARATION (4) STRIKER-PILLAR SEPARATION (5) BODY DISTORTION (6) COMBINATION OF ABOVE (CIRCLE EACH) (7) OPENED, REASON UNKNOWN			
(8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN			
DOORS JAMMED CLOSED-			
USE CODES:			
(0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN			

OTHER REAR DAMAGE

REAR DOOR

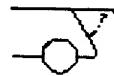
REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



Two-way



or



Clamshell



Single door



Double door



HOW DID DOOR OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

2
47WAS PARTITION TO LUGGAGE AREA
DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8
50

SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8
51

TRAILER HITCH TYPE

- (0) NO HITCH

BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

4
52

OTHER TYPES

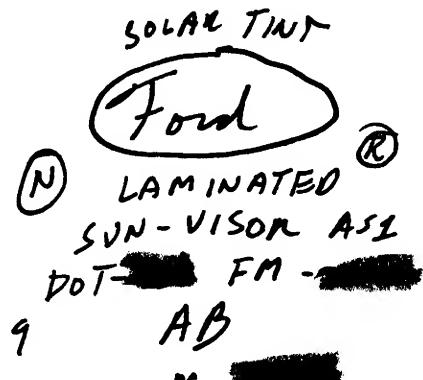
- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)
- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

0
48TRAILER TYPE
(AT TIME OF COLLISION)

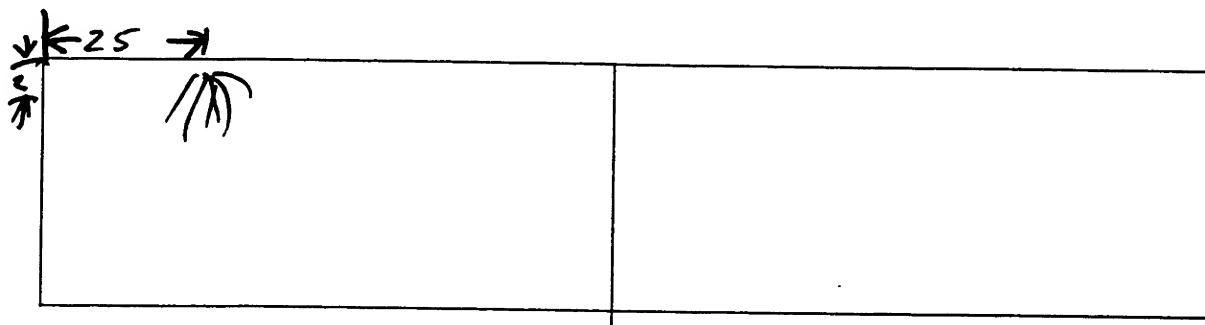
- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: _____
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

0
530
49

RIGHT-SIDE BODY MOUNT	DID BODY MOUNT SEPARATE?	0 54	RIGHT DOORS	ED-4			
RIGHT PILLARS	PILLARS SEPARATED COMPLETELY -	0 55	USE CODES:	ED-4			
-A-PILLAR, UPPER	0 56	0 57	-FRONT	ED-4			
-B-PILLAR, UPPER	0 58	0 59	-REAR	ED-4			
-C-PILLAR, UPPER	0 60	0 61	-FRONT	ED-4			
-D-PILLAR, UPPER	0 62	0 63	-REAR	ED-4			
DOORS JAMMED CLOSED-		VAN REAR DOOR TYPE					
		<p>USE CODES:</p> <ul style="list-style-type: none"> (0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN 					
		<p>USE CODES:</p> <ul style="list-style-type: none"> (0) VAN, NO REAR DOOR (1) TRACK (SLIDING) - RIGHT SIDE (2) SINGLE-HINGED - RIGHT SIDE (3) DOUBLE-HINGED - RIGHT SIDE (4) TRACK (SLIDING) - RIGHT & LEFT SIDE (5) SINGLE-HINGED - RIGHT & LEFT SIDE (6) DOUBLE-HINGED - RIGHT & LEFT SIDE (7) TRACK AND HINGED COMBINATION (8) NOT APPLICABLE (NOT A VAN) (9) UNKNOWN 					
		<p>USE CODES:</p> <ul style="list-style-type: none"> (0) VAN, NO REAR DOOR (1) TRACK (SLIDING) - RIGHT SIDE (2) SINGLE-HINGED - RIGHT SIDE (3) DOUBLE-HINGED - RIGHT SIDE (4) TRACK (SLIDING) - RIGHT & LEFT SIDE (5) SINGLE-HINGED - RIGHT & LEFT SIDE (6) DOUBLE-HINGED - RIGHT & LEFT SIDE (7) TRACK AND HINGED COMBINATION (8) NOT APPLICABLE (NOT A VAN) (9) UNKNOWN 					

WINDSHIELD DAMAGE		WINDSHIELD MARK ON CASE VEHICLE:	
WINDSHIELD CRACKED		1 70	
WINDSHIELD BROKEN (PLASTIC INTERLAYER TORN)		0 71	
CRACKED OR BROKEN BY OCCUPANT CONTACT		1 72	
EXTENT OF BOND SEPARATION		0 73	<p>WINDSHIELD CODE</p> <p>(97) DESCRIBED BUT NOT CODED (98) NOT APPLICABLE (NO WINDSHIELD) (99) UNKNOWN</p>
			97 74 75
			0 76
<p>ROOF</p> <p>DID T-ROOF/SUN ROOF OPEN DURING COLLISION?</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN</p>			

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



CONTACT BY
LT HAND

L

C

R

<p>STEERING WHEEL</p> <p>STEERING WHEEL RIM DAMAGE</p> <p>(0) NONE (1) DEFORMED SLIGHTLY (2) SEVERELY BENT (3) BROKEN (9) UNKNOWN</p> <p>NUMBER OF STEERING WHEEL SPOKES</p> <p>(9) UNKNOWN</p> <p>STEERING WHL SPOKE DAMAGE</p> <p>(0) NONE (1) DEFORMED SLIGHTLY (2) SEVERELY BENT (3) BROKEN (9) UNKNOWN</p> <p>STEERING COLUMN OPTIONS</p> <p>TIILT FEATURE</p> <p>(0) NOT EQUIPPED (1) YES, EQUIPPED, UNK POSITION (2) UP (3) MIDDLE (4) LOWER (9) UNKNOWN IF EQUIPPED</p> <p>SWING-AWAY FEATURE</p> <p>(0) NOT EQUIPPED (1) YES, EQUIPPED (9) UNKNOWN IF EQUIPPED</p> <p>TELESCOPING FEATURE</p> <p>(0) NOT EQUIPPED (1) YES, EQUIPPED (9) UNKNOWN IF EQUIPPED</p>	<p><u>0</u> <u>13</u></p> <p><u>4</u> <u>14</u></p> <p><u>0</u> <u>15</u></p> <p><u>3</u> <u>16</u></p> <p><u>0</u> <u>17</u></p> <p><u>0</u> <u>18</u></p>	<p>STEERING WHEEL POSITION AT TIME OF COLLISION</p> <p>IN WHAT O'CLOCK POSITION WAS THE NORMAL TOP OF THE WHEEL POINTED WHEN THE COLLISION OCCURRED?</p> <p>EXAMPLES</p> <p>O'CLOCK = <u>1</u> <u>2</u> O'CLOCK = <u>0</u> <u>2</u></p> <p></p> <p></p> <p>(99) UNKNOWN</p>	
		<p>STEERING WHEEL ENERGY ABSORBING DEVICE</p> <p>(1) EXAMPLES:</p> <p></p> <p>BARRACUDA, 70 - 74 CHALLENGER, 70 - 74 CAPRI, 71 - 77</p> <p>(2) EXAMPLES:</p> <p></p> <p>OMNI, 78 - HORIZON, 78 -</p>	
		<p>TYPE OF DEVICE</p> <p>(0) NONE (1) CONVOLUTED OR MESH CYLINDER (2) DEEP DISH STEERING WHEEL (7) OTHER: _____ (8) NOT COLLECTED (9) UNKNOWN IF EQUIPPED</p>	<p><u>8</u> <u>19</u></p>
		<p>ORIGINAL DIMENSION (mm)</p> <p>A: _____</p> <p>DAMAGE DIMENSION (mm)</p> <p>B: _____</p> <p>DIFFERENCE (mm)</p> <p>A - B</p> <p>(888) NOT COLLECTED (991) NOT MEASURED/NO APPARENT COMPRESSION (992) COMPRESSED, AMOUNT UNKNOWN (993) DEVICE EXTENDED (997) UNABLE TO MEASURE (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN</p>	<p><u>8</u> <u>8</u> <u>8</u></p> <p><u>20</u> <u>22</u></p>

STEERING COLUMN

ENERGY ABSORBING DEVICE

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODE 36, 48,
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ± 10)

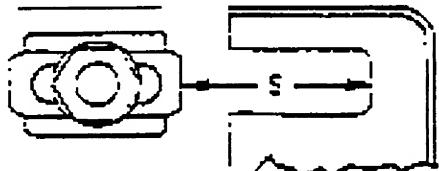
- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

* (ADD A & B FOR TOTAL COMPRESSION)

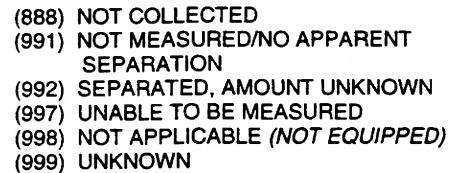
SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:



8	8
23	24

STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER _____
- (9) UNKNOWN

33

8	8	8
25	26	27

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

0
31

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

0
32

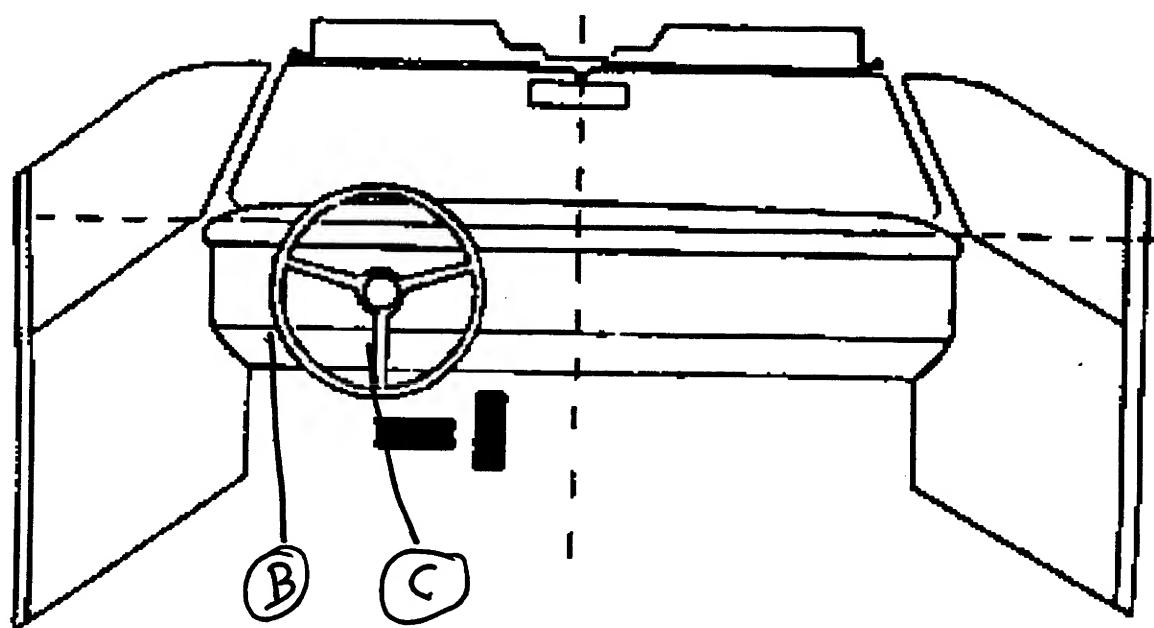
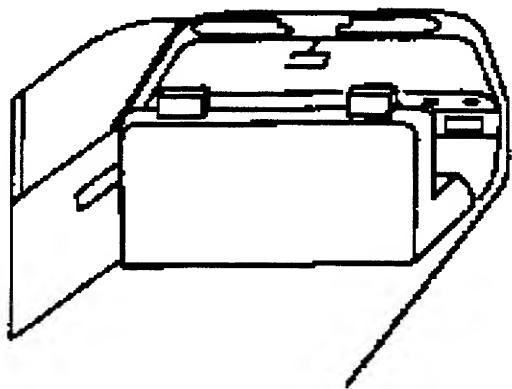
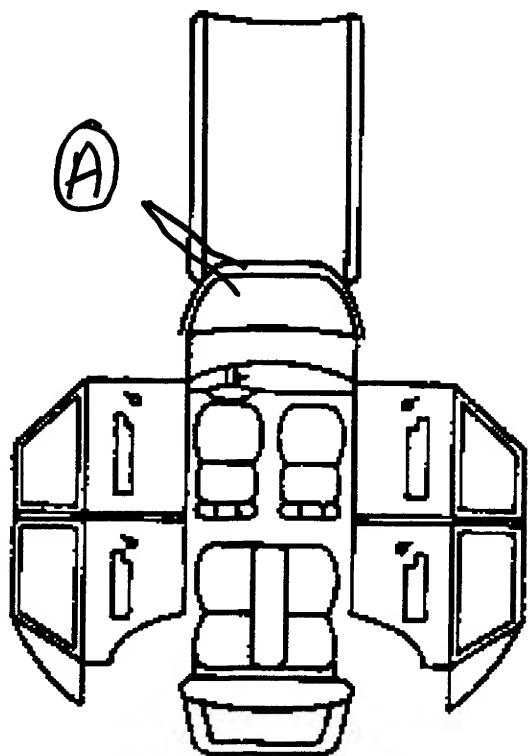
INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction
		Comparison Value	— Intruded Value	= Intrusion	
13	Floor	—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	
		—	—	=	

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	WINDSHIELD HEADREST	Dr	Lt. Hand	windshield cracked (diagonal) Knuckle prints on headrest	1
B	Knee bolster	Dr	Lt knee	Deat	1
C	Knee bolster	Dr	Rt knee	Stress mark	1
D					
E					
F					
G					
H					
I					
J					

VEHICLE OCCUPANT CONTACT DIAGRAM



CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

(1) LEFT	(3) RIGHT	INDIVIDUAL SEAT
(1) LEFT	(2) CENTER	(3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
(1) LEFT	(2) LEFT CENTER	(6) RIGHT CENTER	(3) RIGHT BENCH: FULL WIDTH 4 PASSENGER
(1) LEFT	(2) CENTER	(5) RIGHT & AISLE SPACE BENCH: PARTIAL WIDTH, LEFT
(0) LEFT & SPACE	(2) CENTER	(5) RIGHT & SPACE BENCH: PARTIAL WIDTH, CENTERED
(4) ENTIRE VEHICLE WIDTH		 CARGO AREA

EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN
12 PASSENGER CAPACITY

X	X	11	13
X	X	21	22 25
X	X	31	32 35
X	X	41	42 46 43

CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
- (Y) Y-AXIS (LATERAL)
- (Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT	GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE		
INTERNAL	<i>USE ONLY IF ALL THESE COMPONENTS INTRUDED INTO A SINGLE OCCUPANT SPACE.</i>		
(01) INSTRUMENT PANEL	(50) WINDSHIELD HEADER	(60) ROOF	
(02) FIRE WALL	A-PILLAR	ROOF RAIL	
(03) TOE PAN	ROOF SIDE RAIL	A-PILLAR	
(04) FLOOR PAN		B-PILLAR	
(05) STEERING COLUMN	(51) INSTRUMENT PANEL	C-PILLAR	
(06) WINDSHIELD	A-PILLAR	WINDOW FRAME	
(07) WINDSHIELD HEADER	DOOR PANEL	DOOR PANEL	
(08) A-PILLAR		FLOOR PAN	
(09) DOOR PANEL OR SIDE PANEL	(52) INSTRUMENT PANEL	(61) INSTRUMENT PANEL	
(10) WINDOW FRAME	A-PILLAR	TOE PAN	
(11) B-PILLAR	WINDSHIELD HEADER	WINDSHIELD HEADER	
(12) C-PILLAR		A-PILLAR	
(13) D-PILLAR	(53) DOOR PANEL	ROOF RAIL	
(14) ROOF SIDE RAILS	B-PILLAR	WINDOW FRAME	
(15) ROOF OR CONVERTIBLE TOP	ROOF RAIL	DOOR PANEL	
(16) BACKLIGHT HEADER		ROOF	
(17) FRONT SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	(54) DOOR PANEL	(62) ROOF	
(18) SECOND SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	A-PILLAR	ROOF RAIL	
(19) THIRD SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	ROOF RAIL	C-PILLAR	
(20) FOURTH SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	(55) INSTRUMENT PANEL	WINDOW FRAME	
(21) FIFTH SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	FLOOR PAN	FLOOR PAN	
(22) BACK PANEL/BACK DOOR SURFACE	A-PILLAR	SECOND SEAT	
(23) SEAT CUSHION SURFACE/EDGE	B-PILLAR	DOOR PANEL	
(24) CONSOLE	WINDOW FRAME	(63) ROOF	
(25) OTHER (DESCRIBE)		ROOF	
(26) UNKNOWN INTERNAL SURFACES	(56) ROOF RAIL	B-PILLAR	
(28) TRANSMISSION TUNNEL (HUMP)	A-PILLAR	WINDOW FRAME	
(29) SIDE FOOTWELL PANEL (KICKPANEL)	B-PILLAR	FLOOR PAN	
(30) SILL	C-PILLAR	DOOR PANEL	
EXTERNAL	DOOR PANEL	SECOND SEAT	
(43) HOOD	(57) ROOF RAIL	FRONT SEAT	
(44) OBJECT EXTERNAL TO PASSENGER COMPARTMENT BUT PART OF CASE VEHICLE	A-PILLAR	(64) ROOF RAIL	
(45) OUTSIDE SURFACE OF CASE VEHICLE	B-PILLAR	ROOF OR CONVERTIBLE TOP	
(46) OTHER (E.G. SPARE TIRE, JACK. DESCRIBE.)	WINDOW FRAME	A-PILLAR	
(49) UNKNOWN EXTERNAL OBJECT	DOOR PANEL	B-PILLAR	
	(58) ROOF	WINDOW FRAME	
	ROOF RAIL	WINDOW FRAME	
	WINDOW FRAME	WINDOW FRAME	
	DOOR PANEL	WINDOW HEADER	
	(59) BACKLIGHT HEADER	(65) WINDSHIELD	
	ROOF	WINDSHIELD HEADER	
	C-PILLAR	ROOF SIDE RAIL	
	THIRD SEAT-BACK		
	(66) WINDSHIELD	(66) WINDSHIELD	
	WINDSHIELD HEADER	WINDSHIELD HEADER	
	A-PILLAR	A-PILLAR	
		(98) NOT APPLICABLE	
		(99) UNKNOWN	

Duplicate columns 1-8
from the previous card.

Module 1 9 T 10 Format 0 11 1 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION? 1

WAS INTRUSION CATASTROPHIC? 0

(0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.
(1) YES ANSWER NEXT QUESTION.
(9) UNKNOWN SKIP PAGE.

(0) NO COMPLETE PAGE.
(1) YES SKIP PAGE.

Duplicate columns 1-8
from the previous card.

Module 1 9 T 10 Format 0 11 2 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION NO.	F MAXIMUM INTRUSION X AXIS (cm)	G MAXIMUM INTRUSION Y AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 1	1 3	0 4	1	0 0	0 0	0 2	0 0	0 0	0 0	0 0
0 2	—	—	—	—	—	—	—	—	—	—
0 3	—	—	—	—	—	—	—	—	—	—
0 4	—	—	—	—	—	—	—	—	—	—
0 5	—	—	—	—	—	—	—	—	—	—
0 6	—	—	—	—	—	—	—	—	—	—
0 7	—	—	—	—	—	—	—	—	—	—

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8
from the previous card.

Module 1 9 T 10 Format 0 11 3 12

NOTE: IF NO SIDE DOOR INTRUSION,
SKIP REMAINDER OF PAGE.

SIDE DOOR INTRUSION
RESULTED FROM

INTRUSION
NUMBER CAUSE

CODES
FOR CAUSE:

13 — 15 (1) DIRECT IMPACT
16 — 18 (2) INDUCED DAMAGE
19 — 21 (9) UNKNOWN

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED
DOOR INTRUSION, CODE COMPONENT

INTRUSION
NUMBER DAMAGED
COMPONENT 1 DAMAGED
COMPONENT 2 CODES
FOR COMPONENTS

A 22 — 23	—	—	25	(0) NONE (1) A-PILLAR (2) B-PILLAR (3) C-PILLAR (4) LATCH/STRIKER (5) HINGES (7) OTHER: _____
B 26 — 27	—	—	29	(8) NOT APPLICABLE (9) UNKNOWN
C 30 — 31	—	—	33	
D 34 — 35	—	—	37	

Duplicate columns 1-8 Module 1 9 T 10 Format 0 11 2 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

-- ADDITIONAL PAGE --

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION NO.	F MAXIMUM INTRUSION X AXIS (cm)	G MAXIMUM INTRUSION Y AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 8	—	—	—	—	—	—	—	—	—	—
0 9	—	—	—	—	—	—	—	—	—	—
1 0	—	—	—	—	—	—	—	—	—	—
1 1	—	—	—	—	—	—	—	—	—	—
1 2	—	—	—	—	—	—	—	—	—	—
1 3	—	—	—	—	—	—	—	—	—	—
1 4	—	—	—	—	—	—	—	—	—	—
1 5	—	—	—	—	—	—	—	—	—	—
1 6	—	—	—	—	—	—	—	—	—	—
1 7	—	—	—	—	—	—	—	—	—	—
1 8	—	—	—	—	—	—	—	—	—	—
1 9	—	—	—	—	—	—	—	—	—	—
2 0	—	—	—	—	—	—	—	—	—	—
2 1	—	—	—	—	—	—	—	—	—	—
2 2	—	—	—	—	—	—	—	—	—	—
2 3	—	—	—	—	—	—	—	—	—	—
2 4	—	—	—	—	—	—	—	—	—	—
2 5	—	—	—	—	—	—	—	—	—	—

CODES:

(0) NO
(1) YES
(3) NO, and OCCUPANT CONTACT

- (4) YES, and OCCUPANT CONTACT
- (8) NOT APPLICABLE
- (9) UNKNOWN

SIDES	LEFT	RIGHT	FRONT		INSTRUMENT PANEL	
FRONT DOOR	0 13	0 14	FOOT CONTROLS	0 45	UPPER PANEL	1 55
FRONT HARDWARE	0 15	0 16	IGNITION KEYS	0 46	MID PANEL	0 56
FRONT ARMREST	0 17	0 18	REAR VIEW MIRROR	0 47	LOWER PANEL	4 57
FRONT GLASS	0 19	0 20	SUNVISOR/FITTINGS	0 48	ASHTRAY	0 58
REAR DOOR AREA	0 21	0 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	0 59
REAR HARDWARE	0 23	0 24	WINDSHIELD TOP MOLDINGS	3 49	GLOVE COMPARTMENT AREA	0 60
REAR ARMREST	0 25	0 26	LEFT A-PILLAR (UPPER OR LOWER)	0 50	INSTRUMENTS	0 61
REAR GLASS	0 27	0 28	RIGHT A-PILLAR (UPPER OR LOWER)	0 51	PARKING BRAKE RELEASE	0 62
ROOF SIDE RAIL	0 29	0 30	CENTER CONSOLE	0 52	PARKING BRAKE PEDAL	0 63
B-PILLAR	0 31	0 32	TRANSMISSION SELECTOR LEVER	0 53	A/C OR UPPER VENT OUTLETS	0 64
C-PILLAR	0 33	0 34	RIM, HORN, SPOKE	0 54	HEATER OR A/C DUCTS	0 65
D-PILLAR	0 35	0 36			RADIO	0 66
HEADLINING	0 37	0 38			OTHER: * <u>Fuse</u> <u>PANOL</u>	4 67
ROOF STRUCTURE	0 39	0 40				
T-ROOF/SUN ROOF	0 41	0 42				
OTHER: *	8 43	8 44				
					REAR	0 68
					WINDOW	0 69
					WINDOW HEADER	0 70
					CONSOLES	0 71
					VERTICAL	
					ROOF	

* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8
from the previous card.

Module S 9 T 10 Format 0 11 2 12

SEATS

ST-1

FRONT SEAT				FRONT SEAT-BACK	
TYPE OF FRONT SEAT		DRIVER	PASSEN'R	SEAT-BACK TYPE	
(00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		<u>05</u> <u>13</u>	<u>05</u> <u>15</u>	(1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	
TYPE OF SEAT MOUNT		<u>1</u> <u>17</u>	<u>1</u> <u>18</u>	SEAT-BACK LOCK TYPE	
(1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN				(0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	
SWIVEL MECHANISM EQUIPPED		<u>0</u> <u>19</u>	<u>0</u> <u>20</u>	LOCKS HELD	
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
ORIGINAL EQUIPMENT SEATS		<u>1</u> <u>21</u>	<u>1</u> <u>22</u>	RECLINER MECHANISM HELD	
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
CONTACT OF SEAT BY REAR OCCUPANT		<u>8</u> <u>23</u>	<u>8</u> <u>24</u>	HEAD RESTRAINT	
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				HEAD RESTRAINT TYPE	
FRONT SEAT DAMAGE		<u>0</u> <u>25</u>	<u>0</u> <u>26</u>	(0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	
(0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN				REMOVED PRE-CRASH	
CENTER ARMREST DAMAGED		<u>0</u> <u>27</u>		(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (9) UNKNOWN IF EQUIPPED				ADJUSTMENT AT CRASH	
FRONT SEAT ROTATION		<u>0</u> <u>28</u>	<u>0</u> <u>29</u>	(1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN	
(0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN				HEAD RESTRAINT DAMAGE	
				(0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN	

FRONT SEAT ADJUSTMENT SEAT ADJUSTMENT TYPE (0) NONE (<i>RIGID</i>) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (<i>NO SEAT</i>) (9) UNKNOWN	DRIVER 2 46	PASSENGER 1 47	SECOND SEAT (CONT.) CENTER ARMREST DAMAGED (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (<i>NO CENTER ARMREST</i>) (9) UNKNOWN IF EQUIPPED			
ADJUSTMENT PROVIDED (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	3 48	1 49				
SEAT ADJUSTER DAMAGE (0) NONE (1) CHUCKING (<i>FREE PLAY</i>) (2) DEFORMED (<i>RELEASED/JAMMED</i>) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	0 50	0 51				
SEAT ADJUSTER SEPARATION (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN	8 52	8 53				
PRE-CRASH POSITION (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN	2 54	2 55				
SECOND SEAT TYPE OF SECOND SEAT (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN	LEFT 2 56	RIGHT 2 57				
SECOND SEAT DAMAGE (0) NONE (1) BACKREST ONLY (<i>DAMAGED OR LOOSENERED</i>) (2) CUSHION ONLY (<i>DAMAGED OR LOOSENERED</i>) (3) BACKREST & CUSHION (<i>DAMAGED OR LOOSENERED</i>) (4) INTEGRAL CHILD SEAT (<i>PRIORITY CODE</i>) (5) LUGGAGE AREA ACCESS PANEL (<i>DAMAGED OR LOOSENERED</i>) (8) NOT APPLICABLE (9) UNKNOWN	0 58	0 59				
VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS (0) NOT EQUIPPED (<i>OR REMOVED</i>) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (<i>NO REAR SEAT</i>) (9) UNKNOWN	1 75					
<i>Applies to any rear-seat position</i>						

Duplicate columns 1-8
from the previous card.

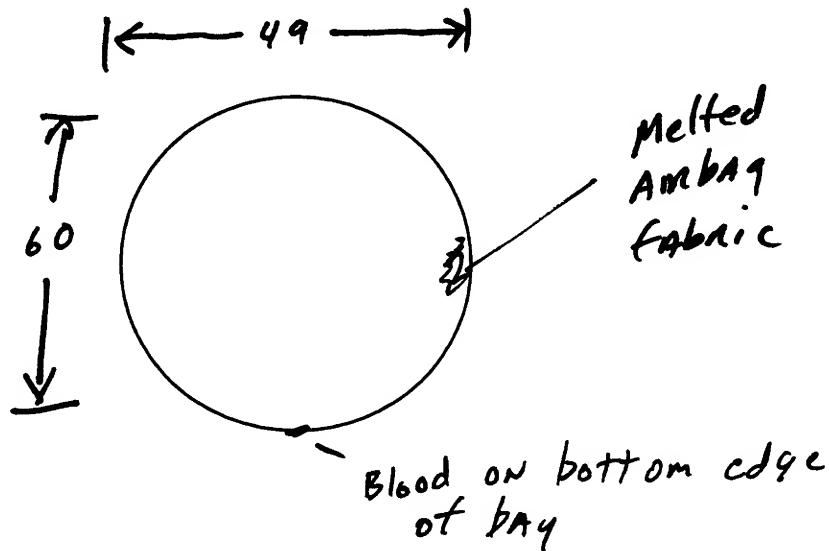
Module A 9 B 10 Format 0 11 1 12

AIRBAG AB-1

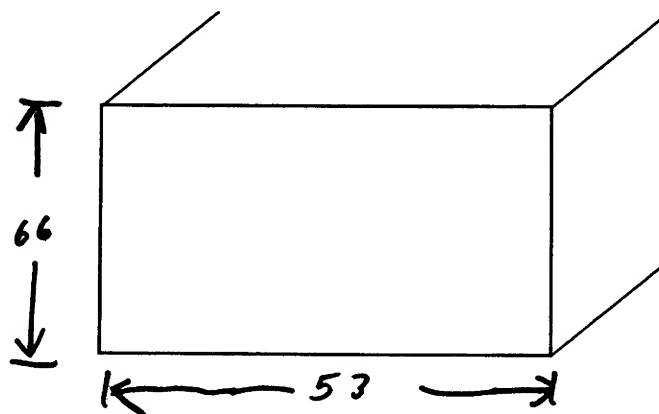
DRIVER SIDE		PASSENGER SIDE	
LOCATION OF AIRBAG		LOCATION OF AIRBAG	
STEERING WHEEL		INSTRUMENT PANEL (GLOVE BOX)	
EQUIPPED		EQUIPPED	
(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED		<u>13</u>	(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED
DEPLOYED		DEPLOYED	
(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN		<u>14</u>	(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN
CONDITION OF AIRBAG		CONDITION OF AIRBAG	
STEERING WHEEL		INSTRUMENT PANEL (GLOVE BOX)	
(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION		<u>15</u>	(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION
DRIVER SIDE		PASSENGER SIDE	
AIRBAG		AIRBAG	
STEERING WHEEL		INSTRUMENT PANEL (GLOVE BOX)	
TETHER		TETHER	
(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED		<u>19</u>	(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED
MARKED BY CONTACT		MARKED BY CONTACT	
(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN		<u>20</u>	(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN

AIRBAG NUMBER ON DRIVER SIDE:

2 vents @ 11+1

UF 20.5 w
19 TLF 19.5 w
8.5 TNOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:

AIRBAG NUMBER ON PASSENGER SIDE:

Flap 39.5 w
16.5 TNOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:VENTS @ 3 & 9
ON SIDES

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,
ARE TO BE FILLED IN
FOR EACH CASE VEHICLE OCCUPANT,
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

OCCUPANT IDENTIFICATION OCCUPANT NUMBER ROLE OF OCCUPANT AT 1ST IMPACT (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER <i>(NOT DRIVER)</i> (9) UNKNOWN		<u>0</u> <u>1</u> <u>13</u> <u>14</u> <u>1</u> <u>15</u>	PHYSICAL DESCRIPTION AGE IN YEARS (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN AGE IN MONTHS (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN MASS (kg) (999) UNKNOWN <u>(165 lb)</u> <u>075</u> <u>24</u> <u>25</u> <u>26</u>	
OCCUPANT POSITION ROW LOCATION (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN		<u>1</u> <u>16</u>	HEIGHT (cm) (999) UNKNOWN <u>(5 ft, 6 in)</u> <u>168</u> <u>27</u> <u>28</u> <u>29</u> SEX (1) MALE (2) FEMALE (9) UNKNOWN	
LATERAL LOCATION (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN		<u>1</u> <u>17</u>	MEDICAL CONDITIONS TREATMENT/MORTALITY (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN	
POSTURE (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, <i>SIDEWAYS</i>) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN		<u>1</u> <u>0</u> <u>18</u> <u>19</u>	INJURY SEVERITY SCORE (ISS) (99) UNKNOWN <u>02</u> <u>33</u> <u>34</u>	
			NON-IMPACT MED. CONDITIONS (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL <i>DEATH AT WHEEL</i>) (3) PRE-CRASH NON-FATAL (E.G. <i>PRIOR INJURY, STROKE</i>) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE <i>(CIRCLE EACH)</i> (9) UNKNOWN	

OCCUPANT INFORMATION OC-2

<p>MEDICAL CONDITIONS (CONT.)</p> <p>POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT</p> <p>(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO IMPACT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN</p>	<p><u>3</u> 36</p>	<p>CHILD SEAT TYPE</p> <p>(00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE (ADULT OR OLDER CHILD) (99) UNKNOWN</p> <p>CHILD SEAT MAKE/MODEL</p> <hr/> <hr/> <hr/>	<p><u>8</u> 41 42</p>
<p>RESTRAINT SYSTEM</p> <p>ACTIVE RESTRAINT SYSTEM</p> <p>(0) NONE (1) LAP BELT (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) UNKNOWN</p> <p>ACTIVE RESTRAINT SYSTEM USAGE</p> <p>(0) NONE (AVAILABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (7) IMPROPER USAGE (8) NOT APPLICABLE (NONE AVAILABLE) (9) UNKNOWN</p> <p>PASSIVE RESTRAINT SYSTEM</p> <p>(0) NONE (1) AIRBAG INSTALLED (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS (4) PASSIVE LAP & UPPER TORSO (5) AIRBAG INSTALLED & PASSIVE RESTRAINT (7) OTHER: _____ (9) UNKNOWN</p> <p>PASSIVE RESTRAINT SYSTEM USAGE</p> <p>(0) SYSTEM DEFEATED (1) AIRBAG NOT DEPLOYED (2) AIRBAG DEPLOYED (3) AIRBAG NOT REINSTALLED (4) PASSIVE UPPER TORSO USED (5) PASSIVE LAP & UPPER TORSO USED (6) SYSTEM USED IN MANUAL MODE (7) IMPROPER USAGE (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED) (9) UNKNOWN</p>	<p><u>3</u> 37</p> <p><u>3</u> 38</p> <p><u>1</u> 39</p> <p><u>2</u> 40</p>	<p>EJECTION</p> <p>DEGREE OF EJECTION</p> <p>(0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED</p> <p>AREA OF EJECTION</p> <p>(01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: _____ (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED</p> <p>IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:</p> <hr/> <hr/> <hr/>	<p><u>0</u> 43</p> <p><u>4</u> 44 45</p> <p><u>8</u></p>
<p>HEAD RESTRAINT</p> <p>HEAD RESTRAINT AVAILABLE FOR THIS POSITION</p> <p>(0) NOT EQUIPPED OR REMOVED (1) EQUIPPED (9) UNKNOWN</p>	<p><u>1</u> 46</p>		

Duplicate columns 1-8
from the previous card.Module 1
9 C
10 Format 0
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12

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS					
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.										BODY REGION	ASPECT	SYSTEM/ORGAN	SEVERITY	BODY REGION	ASPECT	SYSTEM/ORGAN	SEVERITY	
		AREA(S) OF POSSIBLE CONTACT		1ST		2ND		1	2	3	4					1	2	3	4	5
13-14	15-16	17-18	19-20	COMMENTS		21	22	23	24	25	26	27	28	29	30					
01	01	87	--			F	I	A	I	+	—	—	—	—	—					
02	51	38		own les watch band		W	R	A	I	1	—	—	—	—	—					
03	38	87				W	L	L	I	1	—	—	—	—	—					
04	10	12				W	L	F	S	1	—	—	—	—	—					
05	10	12				W	L	C	I	1	—	—	—	—	—					
06	56	--				K	R	C	I	1	—	—	—	—	—					
07	56	--		fuse panel on L.I.P.		K	L	C	I	1	—	—	—	—	—					
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CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

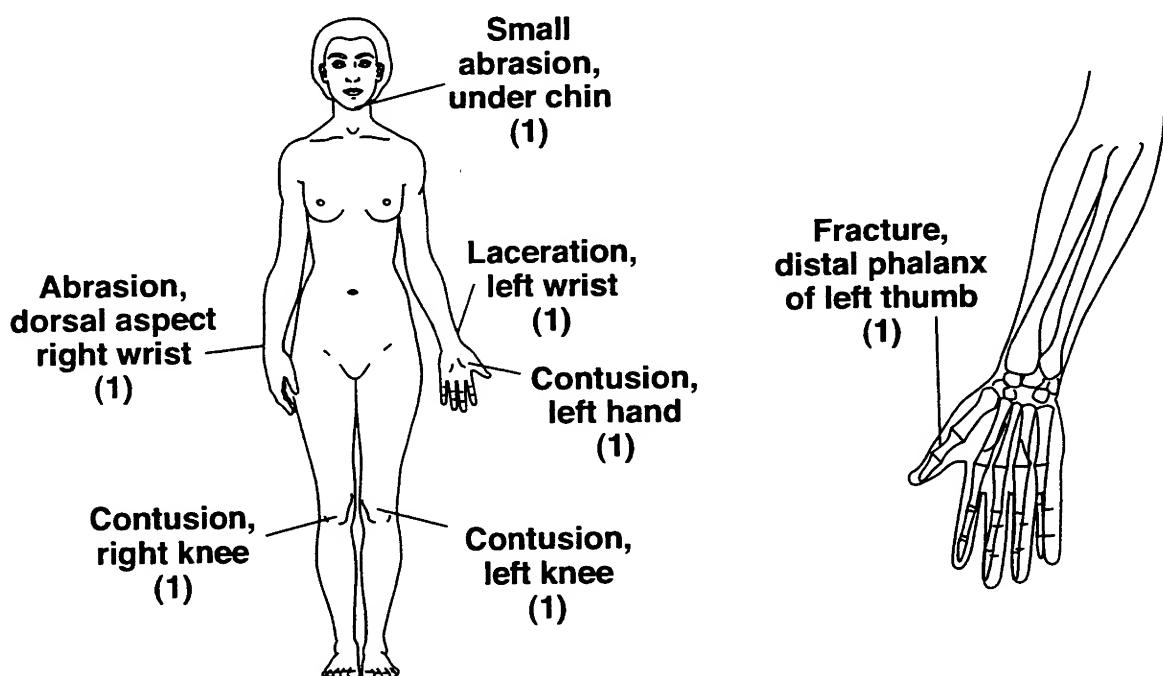
MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (E.G. FIRE. DESCRIBE)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

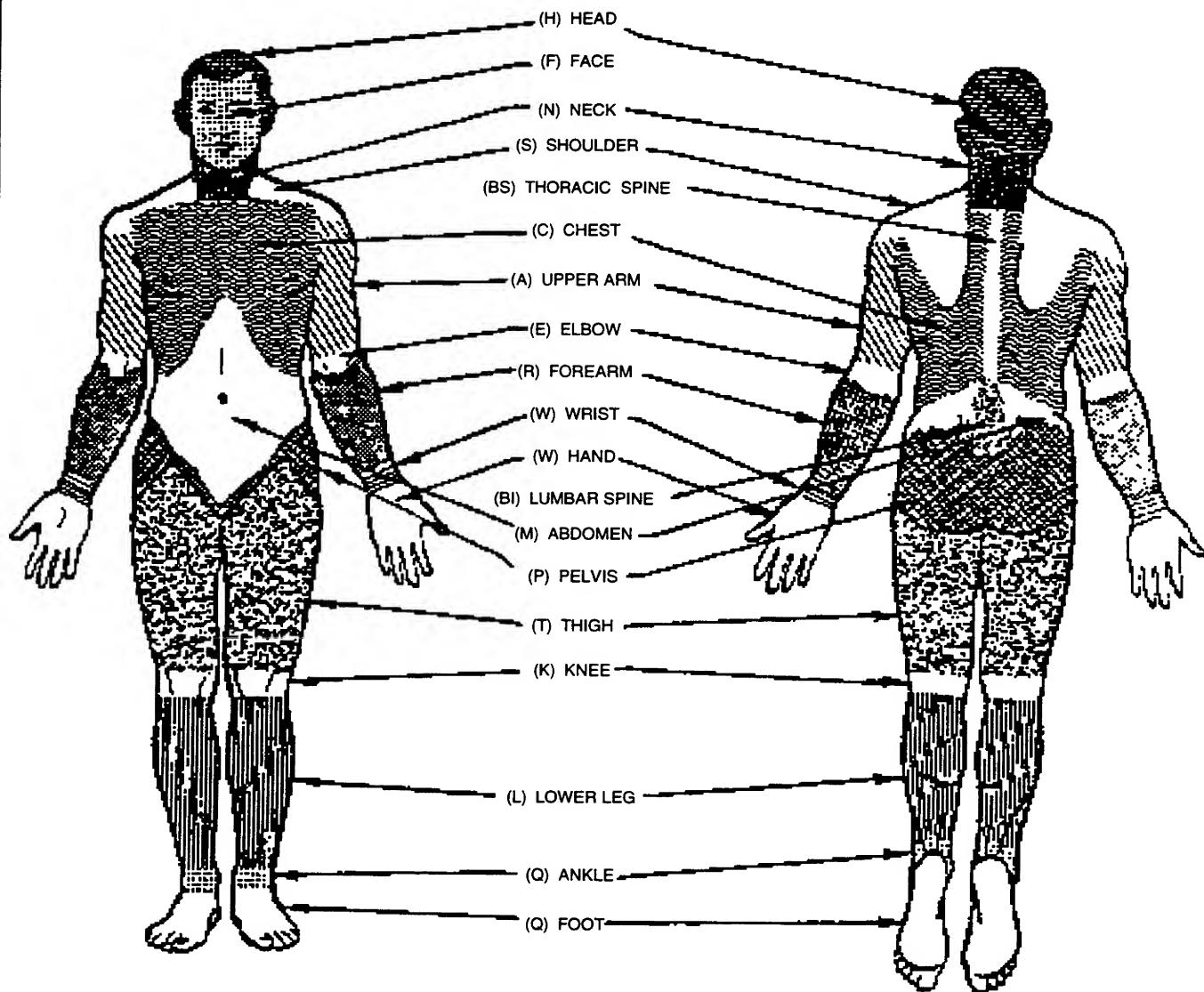
OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR		SOURCE OF INFORMATION	
(0) NONE (1) GLASSES (2) CONTACTS (3) BOTH GLASSES AND CONTACTS (4) OTHER _____ (8) NOT APPLICABLE (9) UNKNOWN	<u>O</u> 47	(1) INTERVIEW (1) HOSPITAL (2) AUTOPSY (3) POLICE (4) OTHER _____ (5) LAY CORONER/EXTERNAL EXAM (7) COMBINATION OF ABOVE (CIRCLE) (8) NOT APPLICABLE (9) UNKNOWN	<u>Z</u> 48

INDICATE LOCATION OF INJURIES.



THE FIGURE BELOW
IS AN EXPLANATION OF THE BODY REGION CODES
LISTED ON PAGE IC - 4.



CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION	3 LESION	4 SYSTEM/ORGAN
(H) HEAD/SKULL	(L) LACERATION	(S) SKELETAL
(F) FACE	(C) CONTUSION	(V) VERTEBRAE
(N) NECK	(A) ABRASION	(J) JOINTS
(S) SHOULDER	(F) FRACTURE	(D) DIGESTIVE
(X) UPPER EXTREMITIES	(P) PERFORATION, PUNCTURE	(L) LIVER
(A) ARM (UPPER)	(K) CONCUSSION	(N) NERVOUS SYSTEM
(E) ELBOW	(V) AVULSION	(B) BRAIN
(R) FOREARM	(R) RUPTURE	(C) SPINAL CORD
(W) WRIST/HAND	(S) SPRAIN	(E) EARS
(C) CHEST	(D) DISLOCATION	(O) EYES
(M) ABDOMEN	(N) CRUSH	(A) ARTERIES
(B) BACK	(M) AMPUTATION	(H) HEART
(P) PELVIC/HIP	(B) BURN	(Q) SPLEEN
(Y) LOWER EXTREMITIES	(G) DETACHMENT, SEPARATION	(G) UROGENITAL
(T) THIGH	(Z) FRACTURE AND DISLOCATION	(K) KIDNEYS
(K) KNEE	(T) STRAIN	(R) RESPIRATORY
(L) LEG (LOWER)	(E) TOTAL SEVERANCE, TRANSECTION	(P) PULMONARY/LUNGS
(Q) ANKLE/FOOT	(O) OTHER	(M) MUSCLES
(O) WHOLE BODY	(U) UNKNOWN	(T) THYROID, OTHER ENDOCRINE GLAND
(U) UNKNOWN		(I) INTEGUMENTARY (SKIN)
		(W) ALL SYSTEMS IN REGION
		(U) UNKNOWN

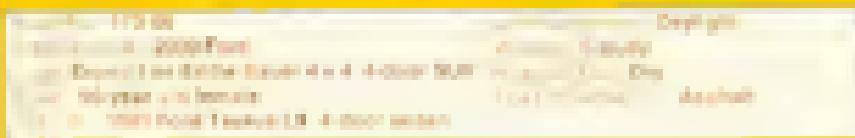
2 ASPECT

- (R) RIGHT
- (L) LEFT
- (B) BILATERAL
- (C) CENTRAL
- (A) ANTERIOR/FRONT
- (P) POSTERIOR/BACK
- (S) SUPERIOR/UPPER
- (I) INFERIOR/LOWER
- (W) WHOLE REGION
- (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN		SEVERITY
			1	2	

5 SEVERITY
(OR "AIS", ABBREVIATED
INJURY SCALE)

- (0) NONE
- (1) MINOR
- (2) MODERATE
- (3) SERIOUS
- (4) SEVERE
- (5) CRITICAL
- (6) MAXIMUM
- (9) UNKNOWN



PN 17300#1



PN 17300 #2



PN17300#3



PN17300#4



PN 1730045



PN 17300 #6



PN 17300#7
Best Available



PN 17300 #8
Best Available



**PN 17300 #9
Best Available**



PN 17300#10

Best Available



PN 17300#11
Best Available



PN 17300 #12
Best Available



PN 17300 #13



PN 17300 #14



PN 17300 #15



PN 17300 #16



PN17300#17



PN 17300418



PN 17300410



PN 17300 #20
Best Available



PN 17300#21



PN 17300 #22



PN 17300 #23



PN 17300 #24



PN 17300 #25



PN 17300 #26

Best Available



PN 17300 #27
Belt Available



PN 17300 #28
Best Available



PN 17300 #20
Best Available



PN 17300 830



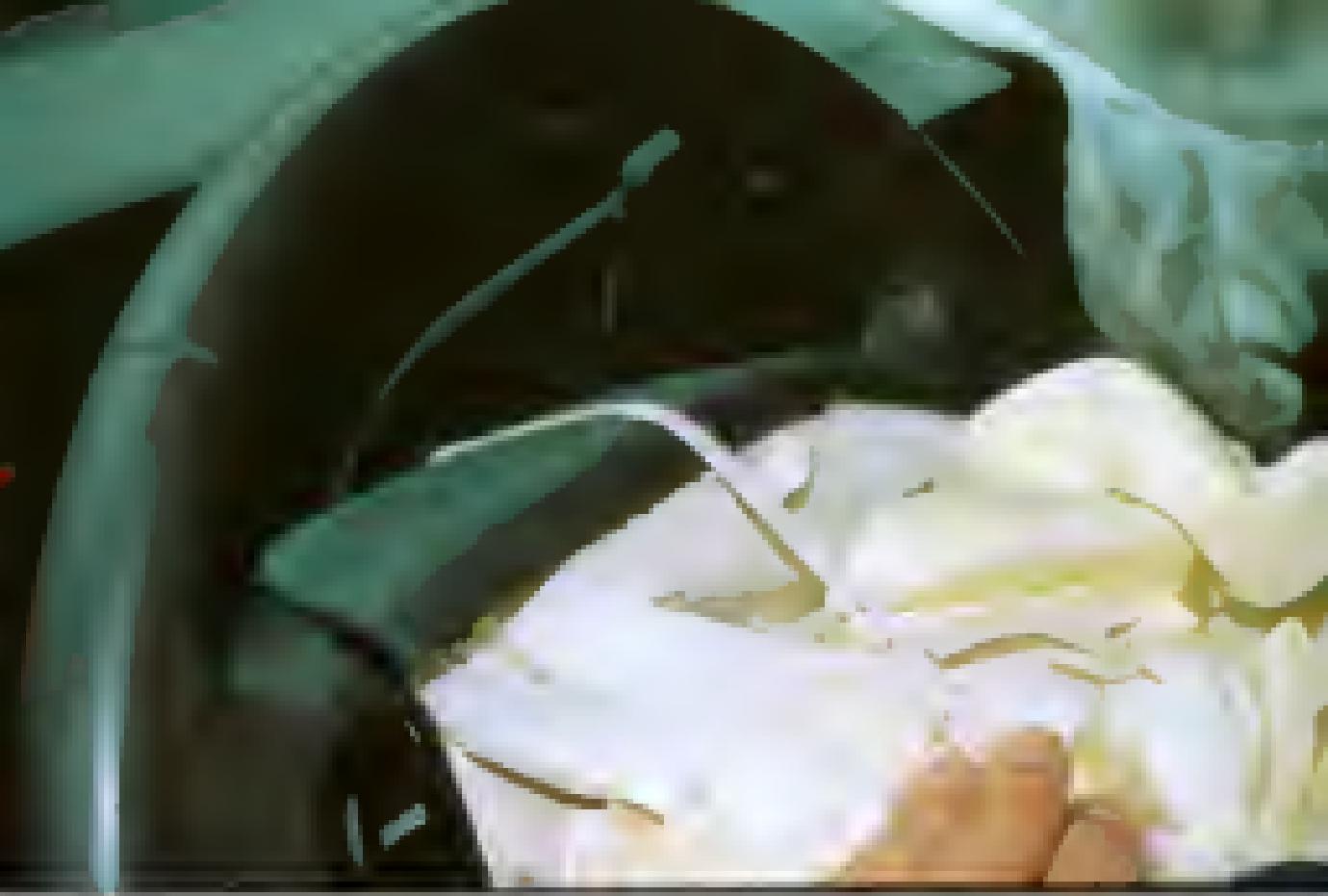
PN 17300 #31
Best Available



PN 17300 #32
Best Available



PN 17300733
Best Available



PN 17300 #34
Best Available



PN 17300 #35
Best Available



PN 17300-#36

100

PN 17300437



PN 17300 #38



PN 17300 #39



PN 17300 #40



PN 17300 #41



PN 17300 #42



PN 17300 #43



PN 17300 #44



PN 17300 #45



PN 17300 #48



PN 17300 #47



PN 17300 #48



PN 17300-849



PN 17300 #50



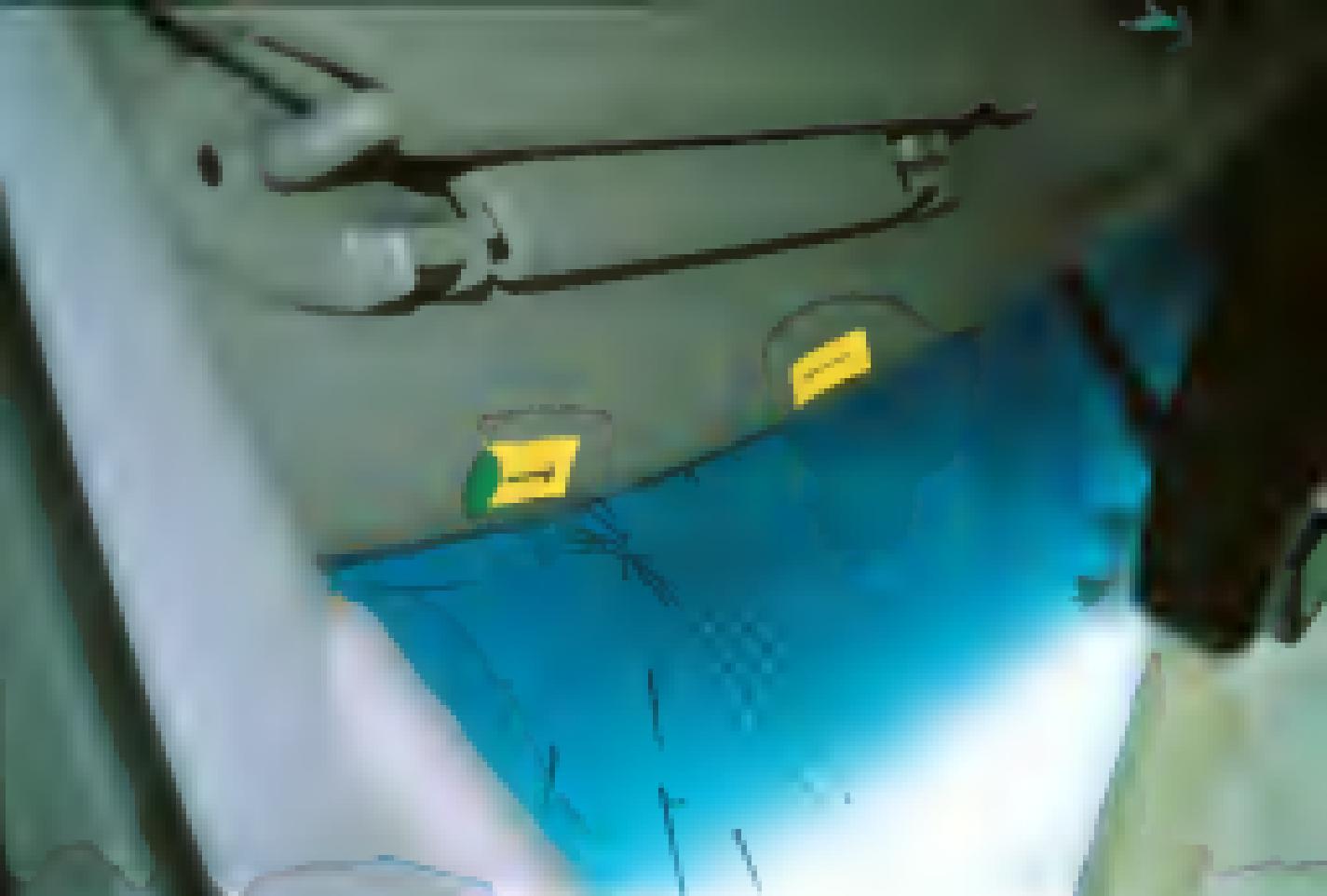
PN 17300 #51



PN 17300 #52



PN 17300 #53



PN 17300 #54



PN 17300 #55



PN 17300 #56



PN 17300 #57



PN 17300 #58



PN 17300-659

